



CA-NV AWWA Water Loss Technical Assistance Program

Wave 4 Water Audit Level 1 Validation Document

Audit Information:

Utility: Eastern Municipal Water District

PWS ID: 3310009 SRO

System Type: Potable

Audit Period: Fiscal Year 2016/17

Utility Representation: Zandro Mallari (Water Operations), Gary Molin (Finance), John Dotinga

Validation Date: 8/28/2017

Call Time: 9:00 AM

Sufficient Supporting Documents Provided: Yes

Validation Findings & Confirmation Statement:

Key Audit Metrics:

Data Validity Score: 63 Data Validity Band (Level): Band III (51-70)

ILI: 1.77

Real Loss: 31.16 (gal/conn/day)

Apparent Loss: 4.10 (gal/conn/day)

Non-Revenue Water as a Percentage of Operating Costs: 5.0%

Certification Statement by Validator:

This water loss audit report has been Level 1 validated per the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34.

All recommendations on volume derivation and Data Validity Grades were incorporated into the water audit. ☒

Validator Information:

Water Audit Validator: Steve Cavanaugh / Jeff Cappadona (support)
Loss TAP

Validator Qualifications: Contractor for CA-NV AWWA Water

Validator Provided

CA-NV AWWA Water Loss Technical Assistance Program Wave 4 Water Audit Level 1 Validation Document

Water System Name: Eastern Municipal Water District **Water System ID Number:** CA3310009 **Water Audit Period:** Fiscal Year 2016/17

Water Audit & Water Loss Improvement Steps:

Steps taken in preceding year to increase data validity, reduce real loss and apparent loss as informed by the annual validated water audit:

- 1). Leak detection project was performed in the Quail Valley area
- 2). Continued leak reporting and tracking
- 3). Ongoing AMI/AMR meter replacement project

Certification Statement by Utility Executive:

This water loss audit report meets the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34 and has been prepared in accordance with the method adopted by the American Water Works Association, as contained in their manual, *Water Audits and Loss Control Programs, Manual M36, Fourth Edition* and in the Free Water Audit Software version 5.

Utility Provided

Jeff D. Wall, P.E.

Assistant General Manager of
Operations and Maintenance



9/29/17

Executive Name (Print)

Executive Position

Signature

Date